Jonas Dunham Jordahl

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PROFESSIONAL EXPERIENCE

NORTHERN ARIZONA UNIVERSITY   **Flagstaff, AZ**
Undergraduate Researcher, NAU & AFRL Partnership   *August 2020 – Present*

- Simulation of a secure processor using computational diversity concepts on the RISC-V architecture.
- Significant use of the C programming language and Test-Driven Development.

NORTHERN ARIZONA UNIVERSITY   **Flagstaff, AZ**
Teaching Assistant   *September 2019 – Present*

- Assisting students with understanding the basics of object-oriented design, data structures and fundamental recursive algorithms (CS249 - Data Structures and Algorithms).
- Guiding students towards an intuitive understanding of formal language theory, with an emphasis on proofs involving language class membership (CS315 - Automata Theory).

NORTHERN ARIZONA UNIVERSITY   **Flagstaff, AZ**
Undergraduate Researcher, NAU IoT Research Lab   *March 2020 – July 2020*

- Developed a Raspberry Pi-specific occupancy tracker for university occupancy monitoring.
- Used OpenCV and basic image processing in an intentionally naïve algorithm suited for hardware-constrained devices.

DECKERS OUTDOOR COORPORATION   **Flagstaff, AZ**
Temporary User Interface Developer   *December 2019 – March 2020*

- Coordinated with product designers to implement responsive and accessible web pages.
- Actively made contributions within an Agile work environment.

EDUCATION

NORTHERN ARIZONA UNIVERSITY   **Flagstaff, AZ**
Bachelor of Science in Computer Science, Minor in Mathematics, May 2021 (expected)

- **Key courses:** Computer Graphics, Distributed Systems, Operating Systems, Parallel Programming, Modern Philosophy
- **Key Projects:** Capstone Web Application, Recursive Ray-tracer, Operating System Simulator, Peer-to-Peer Distributed Chat
- **Awards:** Deans List (6/7 semesters)
- **Clubs:** Association for Computing Machinery, NAU Cycling Club
- **GPA:** major: 4.0, overall: 3.84

PROFICIENCIES

C	Python	Java	HTML	CSS	JS
Linux	Git	Flask	Keras	OpenCV	Pthreads